

Y8 ATYP (Academically Talented Youth Programme)

Overview 2014-2015

Mondays and Thursdays: 1:05-1:55 (50 min – include lunch time)

Wednesdays: 1:35-2:15 (40 min – Wednesday only, without lunch time)

Last Updated: 25 October 2014

Week	Date (Mon)	Date (Wed)	Review Y8 Advance topic Y9/Y10	Core Content / Classwork	Homework	Due Date	Recreational Math Team (Thu)
1				28 Aug 2014 (Thu) Orientation: Brief introduction about ATYP Lunch arrangement (order form) Conflict form (made up arrangement)			
2	01 Sep 2014	03 Sep 2014	VSAY8: Data Handling NTS2: Ch2, 7, 13 VSAY9: Statistics NTS3: Ch11 ATYP: Data Analysis MM4: Ch6	MM4 Ch6 – Data Analysis 6.1 Cumulative frequency (p.208-215) Review on cumulative frequency table (grouped and ungrouped data) Cumulative frequency curve Draw and interpret cumulative frequency table/ curve Activity 1: MM4 WB (p.107) 6.2 Quartiles and Percentiles (p.219-226) Range, quartiles and interquartile range (median) Activity 2: MM4 WB (p.108)	MM4 (6A:1, 4; 6B:1, 5) MM4 WB (Ch6 Ex1:1; Ex2:1)	*11 Sep 2014 (Thu)	04 Sep 2014 Introduction to CAS clubs ASMA practice paper (2013-14 Contest #1 – 2013 October) Math Games – 24 points game – online games/ card games Individual help for homework
3	08 Sep 2014	10 Sep 2014		MM4 Ch6 – Data Analysis (continue) 6.2 Box-and-Whisker Plots (p.227-231) 6.3 Variance & Standard Deviation (p.235-242) Activity 3: MM4 WB (p.110-111) 10 Sep 2014 Concept Check: Test Yourself MM4 (p.246)	MM4 (6A:2; 6B:2,6; 6C:2, 5, 8; cp6:2, 5, 8, 11, 14) MM4 WB (Ch6 Ex1:2, Ex2:2, Ex3:2, RevEx6:2, 5, 8 11)	*18 Sep 2014 (Thu)	11 Sep 2014 Check and discuss the answer of ASMA Contest #1 (2013 October) Review of the existing Math competition schedule Info about Hua Xia Cup 1. Application (school team 4/year group), (parent nominated - limited seats) 2. Past paper Y6/ Y7/ Y8
4	15 Sep 2014	17 Sep 2014 PD day	VSAY8: Simultaneous Linear Equations NTS2 Ch4 VSAY9: Coordinate Geometry Equation of straight line NTS3 Ch6	MM3 Ch6 – Coordinate Geometry 6.1 Length of a line segment (p.163-166) Activity 1: MM3 WB (p.90-91) 6.2. Gradient of a straight line (p.168-170) Activity 2: MM3 WB (p.92-93)	MM4 (6A:3, 6; 6B:3,4,7; 6C:3, 6; cp6:3, 6, 9, 12) MM4 WB (Ch6 Ex1:3; Ex2:3; Ex3:3; RevEx6:3,6,9,12) MM3 (6A: 3; 6B:3,6) MM3 WB (Ch6 Ex1:3; Ex2:3,6)	*23 Sep 2014 (Tue)	18 Sep 2014 NAT #1 2014 (National assessment tests) It is a paper with 100 questions. You will be given 30 minutes to finish as many questions as you can individually.
5	22 Sep 2014 Music Day Practice	24 Sep 2014	ATYP: Coordinate Geometry MM3 Ch6	MM3 Ch6 – Coordinate Geometry (continue) 6.3 Equation of a straight Line General formula ($y=mx+c$) – (p.172-175) Two points form (research) Point slope form (research) 6.4 Geometric Problems – (p.177-180)	MM3 Ex 6ABCD + cp6 MM3 WB Ch6 Ex1,2,3,4 + Revision Ex 6 (Q1,4,7,10...; a,d,g,j...)	*29 Sep 2014 (Mon)	25 Sep 2014 Y6 Camp / Y10PP Camp

Week	Date (Mon)	Date (Wed)	Review Y8 Advance topic Y9/Y10	Core Content / Classwork	Homework	Due Date	Recreational Math Team (Thu)
6	29 Sep 2014	01 Oct 2014 National Day	ATYP: Graphs of Function MM3 Ch7	MM3 Ch7 – Graphs of Function 7.1 Quadratic Functions (p.188-205) Plotting Non-linear Graphs Activity 1: MM3 WB (p.107) Gradients of Non-linear curves Activity 2: MM3 WB (p.109) Properties of Quadratic Curves Sketching graphs of Quadratic Functions	MM3 Ex6ABCD + cp6 MM3 WB Ch6 Ex1,2,3,4 + Revision Ex 6 MM3 Ex7AB (Q2, 5...) MM3 WB Ch7 Ex1,2 (Q2,5,8,11...; b,e,h,k...)	08 Oct 2014	02 Oct 2014 Chung Yeung Festival
7	06 Oct 2014	08 Oct 2014		MM3 Ch7 – Graphs of Function (continue) 7.2 Cubic Functions (p. 206-210) Activity 3: MM3 WB (p.111) 29 Sep 2014 Concept Check: Test Yourself MM3 (p.181)	MM3 Ex6CD + cp6 MM3 WB Ch6 Ex3,4 + Revision Ex 6 MM3 Ex7ABC MM3 WB Ch7 Ex1,2,3 (Q3, 6, 9...; c, f, i...)	14 Oct 2014 (Tue)	09 Oct 2014 ASMA #1 This is an individual 35 minutes test of 7 questions. The highest 8 scores of the team will be submitted to ASMA, house points will be given. Accumulated results of 6 contests will be announced in April.
8	13 Oct 2014	15 Oct 2014		MM3 Ch7 – Graphs of Function (continue) 7.3 Functions $y=a/x$ and $y=a/x^2$ (p.211-218) 7.4 Sum of Functions (p.220-224) 7.5 Exponential Functions (p.224-226)	MM3 Ex7ABCDEF + cp7 MM3 WB Ch7 Ex1,2,3,4,5,6 (Q1,4,7,10...; a,d,g,j...)	29 Oct 2014	16 Oct 2014 Swim Meet
9	20 Oct 2014	22 Oct 2014		MID TERM BREAK			
10	27 Oct 2014	29 Oct 2014	VSA-Y8 Inequalities in one unknown NTS2 Ch8 ATYP: Indices and Standard Form MM3 Ch1 (1.7-1.9) MM3 WB (p.1-7, p.10-13)	MM3 Ch7 – Graphs of Function (continue) Project (Curve Stitching): MM3 WB (p.125) MM3 Ch1 – Indices and Standard Form 1.8 Standard Form (p.25-29) Activity 1: MM3 WB (p.1) Activity 2: MM3 WB (p.2-3) 1.7 Very large and very small numbers (p.22-25) Activity 3: MM3 WB (p.4-5) Activity 4: MM3 WB (p.6-7)	MM3 Ex7CDEF + cp7 MM3 WB Ch7 Ex3,4,5,6 + Revision Ex 7 MM3 Ex1F MM3 WB Ch1 Ex1,2 (Q2,5,8,11...; b,e,h,k...)	05 Nov 2014	30 Oct 2014 Go over answer, discuss and review: NAT#1 ASMA#1 Info about HKMO (IMO) 1. Application (school team 4/year group), (parent nominated - limited seats) 2. Past paper Y6/ Y7/ Y8
11	03 Nov 2014	05 Nov 2014		03 Nov 2014 Concept Check: MM3 WB (p.118-123: Q1, 4, 7, 10, 13) – finish in class MM3 Ch1 – Indices and Standard Form (continue) 1.9 Calculators and Standard Form (p.31-34)	MM3 Ex7DEF + cp7 MM3 WB Ch7 Ex4,5,6 + Revision Ex 7 MM3 Ex1FG MM3 WB Ch1 Ex1,2,3 (Q3,6,9,12...; c,f,i,l...)	12 Nov 2014	06 Nov 2014 NAT #2 2014 Team Scramble This is a 100-problem, 30-minute test in which your entire team races to complete a single answer sheet, exercising collaborative and organizational skills in addition to mathematical skills in a variety of topics

Week	Date (Mon)	Date (Wed)	Review Y8 Advance topic Y9/Y10	Core Content / Classwork	Homework	Due Date	Recreational Math Team (Thu)
12	10 Nov 2014	12 Nov 2014	VSA-Y8 Pathagoras' Theorem NTS2 Ch8 ATYP: Pathagoras' Theorem MM3 Ch4	MM3 Ch4 – Pathagoras' Theorem 4.1 Pythagoras' Theorem (p.101-105) Activity 1: MM3 WB (p.55) Activity 2: MM3 WB (p.59) Activity 3: MM3 WB (p.60) 4.2 Determining Whether a Triangle is Right-angled (p.110-111) Activity 4: MM3 WB (p.61) Activity 5: MM3 WB (p.62)	MM3 Ex1FG MM3 WB Ch1 Ex1,2,3 MM3 Ex4AB MM3 WB Ch4 Ex1,2 (Q1,4,7,10...; a,d,g,j...)	19 Nov 2014	13 Nov 2014 ASMA #2 This is an individual 35 minutes test of 7 questions.
13	17 Nov 2014	19 Nov 2014		MM3 Ch4 – Pathagoras' Theorem (Continue) 4.3 Application of Pythagoras' Theorem (p.112-115) Project: MM3 WB (p.70-71) 19 Nov 2015 Concept Check: Test Yourself MM3 (p.117)	MM3 Ex1G MM3 WB Ch1 Ex3 MM3 Ex4ABC + cp4 MM3 WB Ch4 Ex1,2,3 + Revision Exercise 4 (Q2,5,8,11...; b,e,h,k...)	03 Dec 2014	18 Nov 2014 15:30 AMC-8 20 Nov 2014 Go over answer of ASMA#2 Year 8: How to use GDC (Joyce teach) Year 6: Maths Game: Blokus / Master Mind / Pythagoras' Puzzles (1/2)
14	24 Nov 2014	26 Nov 2014		CAS Week Trips			
15	01 Dec 2014	03 Dec 2014	VSA-Y8 Trigonometry NTS2 Ch8 ATYP: Introduction to Trigonometry MM3 Ch5	MM3 Ch5 – Introduction to Trigonometry 5.1 Naming Sides of a Right-angled Triangle (p.124-125) 5.2 Trigonometric ratios Tangent Ratio (p.127-132) Activity 1: MM3 WB (p.72-73) Sine Ratio (p.135-139) Cosine Ratio (p.141-145) Activity 2: MM3 WB (p.74-75) Activity 3: MM3 WB (p.76)	MM3 Ex4ABC + cp4 MM3 WB Ch4 Ex1,2,3 + Revision Exercise 4 MM3 Ex5ABCD MM3 WB Ch5 Ex1,2,3,4 (Q3,6,9,12...; c,f,i,l...)	10 Dec 2014	04 Dec 2014 Introduction to 香港初中數學奧林匹克全國青少年數學論壇選拔賽 及 數學建模小論文評選 (2014—2015) Grouping and start thinking about the modeling paper (not more than 3 students per group) Given: IMOHKC/ HKAGE Past paper practices #1 (2013)
16	08 Dec 2014	10 Dec 2014		MM3 Ch5 – Introduction to Trigonometry (continue) 5.3 Solving Right-angled Triangles (p.147-152) 5.4 Applications of Trigonometric Ratios (p.153-154)	MM3 Ex4C + cp4 MM3 WB Ch4 Ex3 + Revision Exercise 4 MM3 Ex5ABCDEF MM3 WB Ch5 Ex1,2,3,4,5,6 (Q1,4,7,10...; a,d,g,j...)	17 Dec 2014	11 Dec 2014 ASMA #3
17	15 Dec 2014	17 Dec 2014	VSA-Y9 Trigonometry NTS3 Ch10 VSA-Y10 Trigonometry NTS4 Ch9 ATYP: Application of Trigonometry MM4 Ch3	MM4 Ch3 – Application of Trigonometry 3.1 Angle of Elevation and Angle of Depression (p.92-97) 3.2 Trigonometric Ratios of an Obtuse Angle (p.99-102) Activity 1: MM4 WB (p.48-49) 3.3 Area of a Triangle (p.104-106)	MM3 Ex5ABCDEF + cp5 MM3 WB Ch5 Ex1,2,3,4,5,6 + Revision Exercise 5 MM4 Ex3ABC MM4 WB Ch3 Ex1,2,3 (Q2,5,8,11...; b,e,h,k...)	07 Jan 2015	18 Dec 2014 Go over answer of ASMA#3 Go over answer of IMOHKC/ HKAGE Past paper practices #1 (2013) Remind research of modeling paper (decide topic)

Week	Date (Mon)	Date (Wed)	Review Y8 Advance topic Y9/Y10	Core Content / Classwork	Homework	Due Date	Recreational Math Team (Thu)
18	22 Dec 2014	24 Dec 2014	ATYP: Application of Trigonometry (continue) MM4 Ch3	Christmas Holiday			
19	29 Dec 2014	31 Dec 2014		Christmas Holiday & New Year Holiday			
20	05 Jan 2015	07 Jan 2015		MM4 Ch3 – Application of Trigonometry (continue) 3.4 The Sine Rule (p.108-112) Activity 2: MM4 WB (p.50) Activity 3: MM4 WB (p.51-52) 3.5 The Cosine Rule (p.114-115)	MM3 Ex5EF + cp5 MM3 WB Ch5 Ex5,6 + Revision Exercise 5 MM4 Ex3ABCDE MM4 WB Ch3 Ex1,2,3,4,5 (Q3,6,9,12...; c,f,i,l...)	21 Jan 2015	08 Jan 2015 ASMA #4
21	12 Jan 2015	14 Jan 2015		Summative Assessment Week			
22	19 Jan 2015	21 Jan 2015		MM4 Ch3 – Application of Trigonometry (continue) 3.6 Bearings (p.118-121) Activity 4: MM4 WB (p.53) Activity 5: MM4 WB (p.54) Activity 6: MM4 WB (p.55-56) Activity 7: MM4 WB (p.57) 3.7 Problems Involving Bearings (p.124-127) 3.8 Three Dimensional Problems (p.129-132)	MM3 cp5 MM3 WB Revision Exercise 5 MM4 Ex3ABCDEFGH MM4 WB Ch3 Ex1,2,3,4,5,6,7,8 (Q1,4,7,10...; a,d,g,j...)	28 Jan 2015	22 Jan 2015 Go over answer of ASMA#3 Group work on modeling paper Year 8: How to use GDC (Joyce teach) Year 6: Maths Game: Blokus / Master Mind / Pythagoras' Puzzles (2/2)
23	26 Jan 2015	28 Jan 2015	ATYP Summative Assessment VSA-Y8 Areas and Volumes NTS2 Ch1, Ch10 VSA-Y9 Areas and Volumes NTS3 Ch3 and Ch4 VSA-Y9 Deductive Geometry NTS3 Ch5	26 Jan 2015 Concept Check: (MM3 Ch4, 5, 6, 7; MM4 Ch3, 6) MM4 Ch1 – Angle Properties of Circles 1.1 Angles at the Centre and Angles at the Circumference (p.2-4) Activity 1: MM4 WB (p.1-2) 1.2 Angles in a Semicircle (p.6-9) Activity 2: MM4 WB (p.3)	MM4 Ex3DEFGH + cp3 MM4 WB Ch3 Ex4,5,6,7,8 + Revision Exercise 3 MM4 Ex1AB MM4 WB Ch1 Ex1,2 (Q2,5,8,11...; b,e,h,k...)	04 Feb 2015	29 Jan 2015 NAT #4 2015 Four-by-Four Competition This is a single test consisting of ten rounds of four problems each, each round to be taken in three minutes by a team of four students. Each round will contain both easy and difficult questions and cover a variety of topics.
24	02 Feb 2015	04 Feb 2015	Angle Properties of Circles MM4 Ch1	MM4 Ch1 – Angle Properties of Circles (continue) 1.3 Angles in the Same Segment (p.11-12) Activity 3: MM4 WB (p.4) 1.4 Angles in Opposite Segments (p.14-17) Activity 4: MM4 WB (p.5)	MM4 Ex3FGH + cp3 MM4 WB Ch3 Ex6,7,8 + Revision Exercise 3 MM4 Ex1ABCD MM4 WB Ch1 Ex1,2,3,4 (Q3,6,9,12...; c,f,i,l...)	11 Feb 2015	05 Feb 2015 Go over answer of NAT#4 Maths Game: Nine rings (九連環) – (Nichole teach) Hanoi Tower (漢諾塔) Logic Puzzles – online/ipad (1/3)
25	09 Feb 2015	11 Feb 2015	Arc Length and Area of a Sector MM4 Ch4	MM4 Ch4 – Arc Length and Area of a Sector 4.1 Arc Length of a Circle (p.142-145) Activity 1: MM4 WB (p.73-74) 4.2 Area of a Sector (p.148-150) Activity 2: MM4 WB (p.75-76) 4.3 Area of a Segment of a Circle (p.152-154) 4.4 Angle in Radians (p.156-161) Activity 3: MM4 WB (p.77)	MM4 Ex1ABCD + cp1 MM4 WB Ch1 Ex1,2,3,4 + Revision Exercise 1 MM4 Ex4ABCD + cp4 MM4 WB Ch4 Ex1,2,3,4 + Revision Exercise 4 (Q1,4,7,10...; a,d,g,j...)	04 Mar 2015	12 Feb 2015 ASMA #5

Week	Date (Mon)	Date (Wed)	Review Y8 Advance topic Y9/Y10	Core Content / Classwork	Homework	Due Date	Recreational Math Team (Thu)
26	16 Feb 2015	18 Feb 2015 Lunar New Year Holiday	VSA-Y8 Identities and Factorization NTS2 Ch3 VSA-Y9 Exponents & Factoring NTS3 Ch1 & Ch2 VSA_Y10 Polynomials NTS4 Ch2	MM3 Ch1 – Indices and Standard Form (continue) 1.1 Index Notation (p.2-3) 1.2 Addition of Indices - First Law of Indices (p.3-5) Activity 5: MM3 WB (p.8) 1.3 Subtraction of Indices - Second Law of Indices (p.6-7) Activity 6: MM3 WB (p.9) 1.4 Zero and Negative Indices (p.8-10)	MM4 Ex1CD + cp1 + MM4 WB Ch1 Ex3,4 + Revision Exercise 1 MM4 Ex4ABCD + cp4 MM4 WB Ch4 Ex1,2,3,4 + Revision Exercise 4 MM3 1ABC MM3 WB Ch1 Ex4,5,6 (Q2,5,8,11...; b,e,h,k...)	04 Mar 2015	19 Feb 2015 Lunar New Year Holiday
27	23 Feb 2015	25 Feb 2015		Lunar New Year Holiday			
28	02 Mar 2015	04 Mar 2015	ATYP: Indices and Standard Form (continue) MM3 Ch1 (1.1-1.6) MM3 WB (p.8-9, p.13-21)	MM3 Ch1 – Indices and Standard Form (continue) 1.5 More Laws of Indices – Third Law of Indices (p.11-12) Fourth Law of Indices (p.13-15) 1.6 Fractional Indices (p.16-21) 02 Mar 2015 (30 minutes) Concept Check: Test Yourself MM4 (p.19) Concept Check: Test Yourself MM4 (p.163)	MM4 Ex4ABCD + cp4 MM4 WB Ch4 Ex1,2,3,4 + Revision Exercise 4 MM3 1ABCDE + cp1 MM3 WB Ch1 Ex4,5,6,7,8 + Revision Exercise 1 (Q3,6,9,12...; c,f,i,l...)	11 Mar 2015	05 Mar 2015 Group work on modeling paper Draft finish / teacher give feedback
29	09 Mar 2015	11 Mar 2015	ATYP: Algebraic Manipulation MM3 Ch2	MM3 Ch2 – Algebraic Manipulation 2.1 Expanding Products of Algebraic Expressions (p.43-45) 2.2 Addition and Subtraction of Algebraic Fractions (p.46-53) 2.3 Changing the Subject of a Formula (p.54-60) Activity 1: MM3 WB (p.22)	MM3 1ABCDE + cp1 MM3 WB Ch1 Ex4,5,6,7,8 + Revision Exercise 1 MM3 2ABC + cp2 MM3 WB Ch2 Ex1,2,3 + Revision Exercise 2 (Q1,4,7,10...; a,d,g,j...)	18 Mar 2015	12 Mar 2015 ASMA #6
30	16 Mar 2015 (Sports Day)	18 Mar 2015	ATYP: Quadratic Equations MM3 Ch8	MM3 Ch8 – Quadratic Equations 8.1 Quadratic Equations (p.235) 8.2 Solving Quadratic Equations by Graphical Method (p.235-239) 8.3 Solving Quadratic Equations by Factorisation (p.240-242) 8.4 Solving Quadratic Equations by Completing the Square (p.243-247) Activity 1: MM3 WB (p.127-128) Activity 2: MM3 WB (p.129-130)	MM3 1DE + cp1 MM3 WB Ch1 Ex7,8 + Revision Exercise 1 MM3 2ABC + cp2 MM3 WB Ch2 Ex1,2,3 + Revision Exercise 2 MM3 8ABC MM3 WB Ch8 Ex1,2,3 (Q2,5,8,11...; b,e,h,k...)	25 Mar 2015	19 Mar 2015 Go over answer of ASMA#6 Maths Game: Nine rings (九連環) – (Nichole teach) Hanoi Tower (漢諾塔) Logic Puzzles – online/ipad (2/3)

Week	Date (Mon)	Date (Wed)	Review Y8 Advance topic Y9/Y10	Core Content / Classwork	Homework	Due Date	Recreational Math Team (Thu)
31	23 Mar 2015	25 Mar 2015	ATYP: Quadratic Equations MM3 Ch8 (continue)	MM3 Ch8 – Quadratic Equations (continue) 8.5 Solving Quadratic Equations by Formula (p.248-251) 8.6 Solving Fractional Equations (p.252-255) 8.7 Quadratic Equations in Applications (p.256-259) Activity 3: MM3 WB (p.131)	MM3 2ABC + cp2 MM3 WB Ch2 Ex1,2,3 + Revision Exercise 2 MM3 8ABCDEF + cp8 MM3 WB Ch8 Ex1,2,3,4,5,6 + Revision Exercise 8 (Q3,6,9,12...; c,f,i,l...)	*31 Mar 2015 (Tue)	26 Mar 2015 Group work on modeling paper Amended draft and hand in final copy
32	30 Mar 2015	01 Apr 2015	VSA-Y9 Percentage NTS3 Ch6 ATYP: Real life applications of Mathematics MM4 Ch2	MM4 Ch2 – Real life applications of Mathematics 2.1 Profit and Loss (p.26-28) 2.2 Simple Interest & Compound Interest Simple Interest (p.30-32) Compound Interest (p.33-36) Activity 1: MM4 WB (p.17-18) 2.3 Hire Purchase (p.38-39) Activity 2: MM4 WB (p.19)	MM3 8ABCDEF + cp8 MM3 WB Ch8 Ex1,2,3,4,5,6 + Revision Exercise 8 MM4 Revision 1A (p.260-262) (Q1,4,7,10...; a,d,g,j...) MM4 Revision 1B (p.268-269) MM4 2ABCD MM4 WB Ch2 Ex1,2,3,4 (Q2,5,8,11...; b,e,h,k...)	15 Apr 2015	02 Apr 2015 Easter Holiday
33	06 Apr 2015	08 Apr 2015		Ching Ming and Easter Holiday			
34	13 Apr 2015	15 Apr 2015	VSA-Y9 Percentage NTS3 Ch6 ATYP: Real life applications of Mathematics MM4 Ch2 (continue)	MM4 Ch2 – Real life applications of Mathematics (continue) 2.4 Taxation (p. 42-44) Taxation in Singapore and in Hong Kong Activity 3: MM4 WB (p.20) 2.5 Money Exchange (p.46-49) 2.6 Problems in Other Practical Situations (p.50-54)	MM4 Revision 1A (p.260-262) MM4 Revision 1B (p.268-269) MM4 2ABCDEFGF MM4 WB Ch2 Ex1,2,3,4,5,6,7 (Q3,6,9,12...; c,f,i,l...)	22 Apr 2015	16 Apr 2015 Group work on modeling paper Presentation (internal competition)
35	20 Apr 2015	22 Apr 2015		MM4 Ch2 – Real life applications of Mathematics (continue) 2.7 Interpretation and Drawing of Graphs (p.58-61) 2.8 Travel Graphs Distance-Time graph (p.65-68) Speed -Time graph (p.73-75) Areas under Speed-Time Graph (p.76-79)	MM4 2ABCDEFGHIJ + cp2 MM4 WB Ch2 Ex1,2,3,4,5,6,7,8,9,10 + Revision Exercise 2 (Q1,4,7,10...; a,d,g,j...)	29 Apr 2015	23 Apr 2015 Maths Game: Nine rings (九連環) – (Nichole teach) Hanoi Tower (漢諾塔) Logic Puzzles – online/ipad (3/3)
36	27 Apr 2015	29 Apr 2015	VSA-Y9 Probability MYP4 H&H Ch10 ATYP: Probability MM4 Ch5	MM4 Ch5 – Probability 5.1 Combined Events (p.172-176) Possibility diagram and Tree diagram Activity 1: MM4 WB (p.89-90) Activity 2: MM4 WB (p.91-94) 5.2 Probability of Combined Events (p.178-195) Mutually exclusive events Independent events Other combined events Activity 3: MM4 WB (p.95-96)	MM4 2EFGHIJ + cp2 MM4 WB Ch2 Ex5,6,7,8,9,10 + Revision Exercise 2 MM4 5AB+ cp5 MM4 WB Ch5 Ex1,2 + Revision Exercise 5 (Q2,5,8,11...; b,e,h,k...)	06 May 2015	30 Apr 2015 Prepare and organize Maths competition for whole school / house competition

Week	Date (Mon)	Date (Wed)	Review Y8 Advance topic Y9/Y10	Core Content / Classwork	Homework	Due Date	Recreational Math Team (Thu)
37	04 May 2015	06 May 2015	ATYP: Probability and Statistics MM 4 Revision III	MM4 Revision III Probability (p.308-316) 11 May 2015 (time allowed: 40 minutes) Concept Check: Revision IIIB (MM4 p.317-320, Q2, 5, 7, 8, 9, 11, 12, 13)	MM4 2HIJ + cp2 MM4 WB Ch2 Ex8,9,10 + Revision Exercise 2 MM4 5AB+ cp5 MM4 WB Ch5 Ex1,2 + Revision Exercise 5 (Q3,6,9,12...; c,f,i,l...)	*11 May 2015 Mon	07 May 2015 Math competition – initial for whole school (round 1) 24 points (15 minutes limit do as many questions as you can)
38	11 May 2015	13 May 2015 Teacher PD DAY	VSA-Y10 Transformation and Symmetry NTS5 Ch10 ATYP: Similarity MM3 Ch3	MM3 Ch3 – Similarity 3.1 Similar figures (p.69-75) 3.2 Enlargement and Reduction (p.77-83) 3.3 Scale Drawing (p.85-90) Activity 1: MM3 WB (p.33-38) Activity 2: MM3 WB (p.39-41) Activity 3: MM3 WB (p.42-43)	MM4 5AB+ cp5 MM4 WB Ch5 Ex1,2 + Revision Exercise 5 MM3 3ABC+ cp3 MM3 WB Ch3 Ex1,2,3 + Revision Exercise 3 (Q1,4,7,10...; a,d,g,j...)	20 May 2015	14 May 2015 Math competition – initial for whole school (round 2) Exercise + Maths Game (Timing)
39	18 May 2015	20 May 2015	ATYP: Symmetry Properties of Circles MM3 Ch9	MM3 Ch9 – Symmetry Properties of Circles 9.1 Chords and Tangents (p.266-268) 9.2 Perpendicular Bisector of a Chord (p.270-272) Activity 1: MM3 WB (p.149-150) 9.3 Equal Chord (p.275-277) Activity 2: MM3 WB (p.151) 9.4 Properties of Tangents Angle between Tangent and Radius (p.279-280) Activity 3: MM3 WB (p.153) Activity 4: MM3 WB (p.154) Tangent from an External Point (p.282-286) Activity 5: MM3 WB (p.155)	MM3 WB Ch3 Ex1,2,3 + Revision Exercise 3 MM3 9ABCDE MM3 9ABCDE + cp9 MM3 WB Ch9 Ex1,2,3,4,5 + Revision Exercise 9 MM3 3ABC+ cp3 (Q2,5,8,11...; b,e,h,k...)	03 Jun 2015	21 May 2015 Math competition – initial for whole school (round 3) Group real life problem solving
40	25 May 2015	26 May 2015		Buddha's Birthday and Summative Assessment Week *Y8 ATYP SAW will be scheduled on the same week of SAW			
41	01 Jun 2015	03 Jun 2015	H&H Mathematics SL DP IB Diploma Programme Ch2 Function	H&H Ch2 Function 2A Relationship and functions 2B Function notation 2C Domain and range 2D Composite functions 2E Sign diagrams 2F Rational functions 2G Inverse functions	H&H Ch2 Ex 2ABCDEFGF (Odd numbers: a, d, g,j...) Review Set 2B (All questions)	10 Jun 2015	04 Jun 2015 Prepare and organize Maths competition for whole school / house competition
42	08 Jun 2015	10 Jun 2015	H&H Mathematics SL DP IB Diploma Programme Ch3 Exponentials	H&H Ch3 Exponentials 3A Exponents 3B Laws of exponents 3C Rational exponents 3D Algebraic expansion and factorization 3E Exponential equations 3F Exponential functions 3G Growth and decay 3H The natural exponential e^x	H&H Ch3 Ex 3ABCDEFGFH (Odd numbers: a, d, g,j...) Review Set 3B (All questions)	*16 Jun 2015 (Tue)	11 Jun 2015 Prepare and organize Maths competition for whole school / house competition

Week	Date (Mon)	Date (Wed)	Review Y8 Advance topic Y9/Y10	Core Content / Classwork	Homework	Due Date	Recreational Math Team (Thu)
43	15 Jun 2015	17 Jun 2015	H&H Mathematics SL DP IB Diploma Programme Ch4 Logarithms	H&H Ch4 Logarithms 4A Logarithms in base 10 4B Logarithms in base a 4C Laws of logarithms 4D Natural logarithms 4E Exponential equations using logarithms 4F The change of base rule 4G Graph of logarithmic functions 4H Growth and decay	H&H Ch4 Ex 4ABCDEFGH (Odd numbers: a, d, g,j...) Review Set 4B (All questions)	*29 Jun 2015 (Mon)	18 Jun 2015 (Thu) Student Led Conference 19 Jun (Fri) House Day (Final Math competition - Hall)
44	22 Jun 2015	24 Jun 2015		IDU Week			
45	29 Jun 2015	01 Jul 2015		Last Week / Last Day / Summer Holiday Started			

Main Textbook and workbook (*Chapter covered)
 *MM3 – Mathematics Matter Textbook Normal (Academic) Secondary 3 – Marshall Cavendish Education (*1,2,3,4,5,6,7,8,9)
 *MM3 WB– Mathematics Matter Workbook Normal (Academic) Secondary 3 – EPB Pan Pacific (*1,2,3,4,5,6,7,8,9)
 *MM4 – Mathematics Matter Textbook Normal (Academic) Secondary 4 – Marshall Cavendish Education (*1,2,3,4,5,6)
 *MM4 WB– Mathematics Matter Workbook Normal (Academic) Secondary 4 – EPB Pan Pacific (*1,2,3,4,5,6)
For VSA Year 8 topics (*Chapter covered)
 *NTS2 – New Trend Secondary 2 – Chung Tai publisher (including 2A and 2B) (*1,2,3,4,6,7,8,9,10,11,13)
Reference for VSA Y9 and Y10 topics (*Chapter covered) (can be downloaded from the wiki)**
 *NTS3 – New Trend Secondary 3 – Chung Tai publisher (including 3A and 3B) (*1,2,3,4,6,9,10,11)
 *NTS4 – New Trend Secondary 4 – Chung Tai publisher (including 4A and 4B) (*1,2,3,4,6,9,10,11)
 *NTS5 – New Trend Secondary 5 – Chung Tai publisher (including 5A and 5B) (*2,3,9,10)